

July 2007 Technical Service

SUBJECT

Heating and Air Conditioning in Default Mode (Air Only Blows from Defrost)

MODEL

E70 (X5) produced up to May 31, 2007

SITUATION

The customer states they are not able to control which vent the air comes from. Air only comes from the defroster vents. One or more of the following faults may be set in the IHKA:

- 1 9C4A stepper motor dynamic pressure
- 1 9C4B stepper motor footwell right
- 1 9C4C stepper motor footwell left
- 9C4D stepper motor layering left
- 1 9C4E stepper motor ventilation left
- 1 9C4F stepper motor ventilation right
- 9C48 stepper motor defrost
- 1 9C49 stepper motor fresh air/circulating air
- 1 9C50 stepper motor layering right
- E708 LIN Bus error

CAUSE

Faulty stepper motor or LIN Bus caused by water intrusion via the filtered air duct.

PROCEDURE

- 1. Inspect the dynamic pressure stepper motor for signs of corrosion at the electrical connector. The dynamic pressure stepper motor is located behind the glove compartment below the blower motor housing. Refer to the attachment that identifies the dynamic pressure stepper motor (2).
- 2. If the stepper motor indicates water damage, replace the stepper motor and repair the wiring as needed. If no water damage is found, follow through with the DIS test plan for the stored faults and proceed to step 4 of this procedure.
- 3. Replace the "filtered air duct". Refer to Repair manual 64 31 053. Ensure that the duct is secured properly to the fresh air intake port via the retaining clips.
- 4. After the repair has been made the new stepper motor needs to be re-addressed using the DIS/GT1. Select Function selection\Service functions\Body\Heating and air conditioning functions\flap motors\Readdress flap motors\Test plan.

5. Clear all faults and check system for proper operation.

PARTS INFORMATION

Part Number	Description	Quantity
64 11 6 956 706	Dynamic pressure stepper motor	1
64 31 6 945 577	Filtered air duct	1

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty.

Please refer to the latest KSD for all applicable labor operations and allowances.

If the appropriate labor operation is not contained in KSD, then a work time labor operation should be used.

Defect Code 64 30 00 48 00

ATTACHMENTS

view PDF attachment **B640707Stepper Motor Location**.

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